

Practitioner's Docket No. \_\_\_\_\_

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:     Glocker, David A.; Romach, Mark

Application No.: N/A

Group No.: N/A

Filed: Concurrently herewith

Examiner: N/A

For:   SYSTEM FOR UNBALANCED MAGNETRON SPUTTERING WITH AC POWER

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

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WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

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INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

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\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

Date: \_\_\_\_\_

11/24/03



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION**

Applicant: Glocker et al.

Serial No.: N/A

Filed: Concurrently herewith

Title: SYSTEM FOR UNBALANCED MAGNETRON SPUTTERING WITH AC  
POWER

Examiner: N/A Art Unit: N/A

Docket: 181116CIP

Mail Stop Patent Applications  
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**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to 37 CFR §§ 1.97 and 1.98, Applicant hereby bring to the attention of the United States Patent and Trademark Office, the enclosed items listed on the Attached PTO-1449 Form. If any additional fees are required, please charge Deposit Account 08-0865.

Respectfully submitted,



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number

Filing Date

First Named Inventor

David A Glocker

Art Unit

Examiner Name

Attorney Docket Number

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,041,353	08/09/1977	Penfold et al.	
		US- 4,116,795	09/26/1978	De Jong	
		US- 4,111,782	09/05/1978	Penfold et al.	
		US- 4,116,794	09/26/1978	Penfold et al.	
		US- 4,132,612	01/02/1979	Penfold et al.	
		US- 4,132,613	01/02/1979	Penfold et al.	
		US- 4,828,668	05/09/1989	Yamazaki et al.	
		US- 5,082,546	01/21/1992	Szczyrbowski et al.	
		US- 5,169,509	12/08/1992	Latz et al.	
		US- 5,196,105	03/23/1993	Feuerstein et al.	
		US- 5,556,519	09/17/1996	Teer	
		US- 6,113,752	09/05/2000	Hollstein	
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number			
		Filing Date			
		First Named Inventor	David A Glocker		
		Art Unit			
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		B. WINDOW AND N. SAVVIDES, "Charged Particle Fluores From Planar Magnetron Sources," J. Vac. Sci. Technol. A4, American Vacuum Society (Sydney, Australia), 1986 Mar/Apr p. 196-202,	
		B. WINDOW AND N. SAVVIDES, "Unbalanced DC Magnetrons as Sources of High Ion Fluxes," J. Vac. Sci. Technol. A4, American Vacuum Society (Sydney, Australia), 1986 May/June p. 453-456	
		S.L. RHODE, L. PETROC, W.D. SPROUL, S.A. BARNETT, P.J. RUDNIK & M.E. GRAHAM, "Effects Of An Unbalanced Magnetron In A Unique Dual-Cathode, High Rate Reactive Sputtering System," Thin Solid Films, Elsevier Sequoia (Netherlands), 1990, p. 193-194,	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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